

# LAND RECLAMATION COMMISSION

## STATE OF MISSOURI

P.O. BOX 176  
JEFFERSON CITY, MISSOURI 65102  
573-751-4041

### Permit To Engage in Surface Mining

#### LAND RECLAMATION COMMISSION

#### ISSUES TO

#### HIGGINS-MEEKER QUARRIES, L.L.C.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of  
limestone in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 43 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Henry	26, 27	40N	26W	35	0	35	Deepwater Pit #2	0626
Henry	29, 30, 31, 32	40N	25W	8	0	8	Deepwater Pit #1	1828

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo, 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 20th day of April 2004

  
DIRECTOR OF STAFF  
Land Reclamation Commission

Permit No. 0871

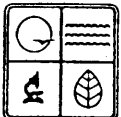
Effective Date 04/20/2004

Expiration Date 04/05/2005

MIO 780-1122 (6-95)

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APR 5 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND  
RECLAMATION COMMISSION

P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>HIGGINS-MEEKER QUARRIES L.L.C.</b>		DATE <b>3-21-04</b>	
ADDRESS <b>951 SW 51 Rd</b>	CITY <b>DEEPWATER</b>	STATE <b>MO</b>	ZIP CODE <b>64740</b>
CONTACT PERSON <b>MAT MEERER</b>		TELEPHONE NUMBER <b>660-646-2591</b>	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. <b>Deepwater Pit #1</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>150</b>
2. <b>Deepwater Pit #2</b>	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ <b>300</b>
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE **450**

2. Acreage Fee \$5 X **43** number of acres bonded ..... \$ **215**

3. Annual Permit Fee ..... \$ 500

4. Total Fee (Add totals from 1, 2 and 3) ..... \$ **1165**

NOTE: If Total Fee exceeds \$2,500.00 then pay only ..... \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee ..... \$ 300

SIGNATURE OF APPLICANT <b>Mat Meeker</b>		TITLE <b>Member</b>	DATE <b>3-25-04</b>
Appeared before me this <b>25<sup>th</sup></b> day of <b>March</b> , 20 <b>04</b> , to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <b>Missouri</b>	COUNTY (OR CITY OF ST. LOUIS) <b>Henry</b>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <b>25<sup>th</sup></b> DAY OF <b>March</b> YEAR <b>2004</b>		USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE <b>Ann Felthoelter</b>	MY COMMISSION EXPIRES <b>1-24-08</b>	
NOTARY PUBLIC NAME (TYPED OR PRINTED) <b>Ann Felthoelter</b>			
FOR DEPARTMENT USE ONLY: APPROVED BY <b>Michael J. Meeker</b>			
DATE APPROVED <b>4/12/04</b>		PERMIT NUMBER <b>0871</b>	

**4/5/2005**



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

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MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Deepwater Pit #1		PERMIT NUMBER 0871	
COMPANY NAME HIGGINS-MEEKER QUARRIES L.L.C			
COUNTY HENERY	1/4 SECTION SEE ATTACHMENT A	SECTION 29, 30, 31, 32	
TOWNSHIP 40N	RANGE 25W	ACRES 306	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY LIMESTONE		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) ROBERT HIGGINS		
ADDRESS 1010 SE 141 RD		
CITY DEEPWATER	STATE MO	ZIP CODE 64740
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): ROBERT IS A PARTNER IN THE COMPANY		DATE OF AGREEMENT 1-1-01
<input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) SAME AS ABOVE		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
MINE PLAN

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P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 3-1-51

COMPANY NAME

MISSOURI LAND  
RECLAMATION COMMISSION

HIGGINS-MEEKER QUARRIES L.L.C.

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Deepwater pit;

This plan covers an area of 306 acres that is mostly in grass with some lespedeza. The creek bottom is partly wooded. Most of the mine area is in a valley headed towards Otter Creek. Topsoil is rocky. Soil is Deepwater class B, Quarles, and Verdigras. 214 acres is bordered to the north by Z Highway. 92 acres is bordered to the south by Z Highway.

OPERATION PLAN - 10 CSR 40-10.02.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozers and scrapers will be used to remove and stockpile topsoil. Topsoil removal will be kept at least 20 feet ahead of pit excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Dozers and scrapers will place topsoil and grade slopes. Topsoil stockpiles will be seeded to control erosion.

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**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND  
DECLAMATION COMMISSION

Spoil will be removed and placed with dozers and scrapers.  
Spoil piles will be kept graded to traversable slopes.

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The pit will begin in the middle of the west edge of the W1/2 NW 1/4 of section 32 and the middle of the east edge of the E 1/2 NE 1/4 of section 31. (see map) The pit will then advance north. The pit will stop at the required distance from Z Highway. The pit would then advance south, and then move to the north side of Z Highway.

YES NO

- |                          |                                     |   |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?  |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-1/2) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line?<br>(NOTE: If the answer is "yes", a safety barrier may be needed.)  |

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## RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

MISSOURI LAND

## A. REVEGETATION (Attach additional sheets, if needed)

RECLAMATION COMMISSION

REVEGETATION MIX #1

1

PURPOSE OR LAND USE

Pasture

B. SEEDING OR PLANTING TIME

as needed

## DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

After topsoil is removed, the seed mix will be broadcast and harrowed and mulched with two tons per acre.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Orchard Grass	25-30		
Lespedeza	10		
Fescue	24		
Red clover	3-6		
Lime	1500 lbs ENM		
"N"	60 lbs Ac		
"P"	90 " "		
"K"	90 " "		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

## DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND  
RECLAMATION COMMISSION

Spoil acres will be graded to slopes traversable  
to farm machinery

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will be done as the pit advances and the  
overburden is placed. Final grading will be  
completed within one year of permit expiration

**REPLACEMENT OF TOPSOIL**

Topsoil will be replaced to a uniform depth of 12 inches  
and disced to reduce compaction. Topsoil will be replaced  
within one year of permit expiration.

**SEEDING**

After the topsoil is replaced the seed mix will be  
broadcast and harrowed and mulched during the first  
optimum seeding period.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

256

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

50

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MISSOURI LAND  
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>Mat Weeks</i>		TITLE <i>Member/Partner</i>	DATE <i>2-5-01</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>MISSOURI</i>	COUNTY (OR CITY OF ST. LOUIS) <i>ST. CLAIR</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>5TH</i> DAY OF <i>FEBRUARY</i> <i>2001</i>		
	NOTARY PUBLIC SIGNATURE <i>Jason L. Mott</i>	MY COMMISSION EXPIRES <i>8-25-2002</i>	USE RUBBER STAMP IN CLEAR AREA BELOW
NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>JASON L. MOTT</i>		<div style="border: 2px dashed black; padding: 5px; text-align: center;"> <p><b>" NOTARY SEAL "</b></p> <p>Jason L. Mott, Notary Public St. Clair County, State of Missouri My Commission Expires 8/25/2002</p> </div>	
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Steve Zimmer</i>		DATE APPROVED <i>04-06-2001</i>	PERMIT NUMBER <i>0871</i>

# TOWNSHIP 40N • RANGE 25W

WEST PART OSAGE

Higgins-Meeker Quarries  
Deepwater Pit #1

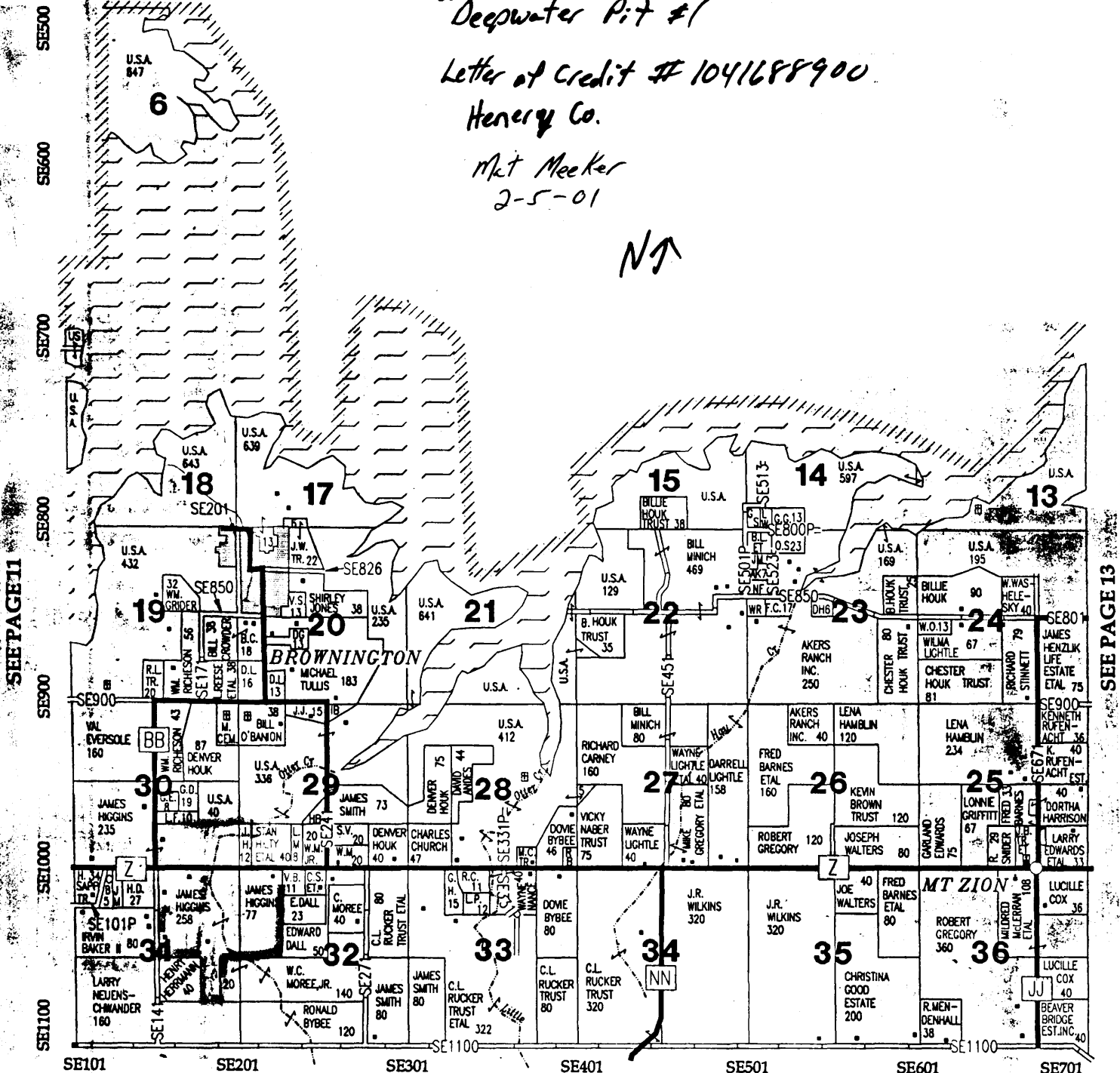
Letter of Credit # 1041688900

Henery Co.

Mkt Meeker  
2-5-01

N

SEE PAGE 19



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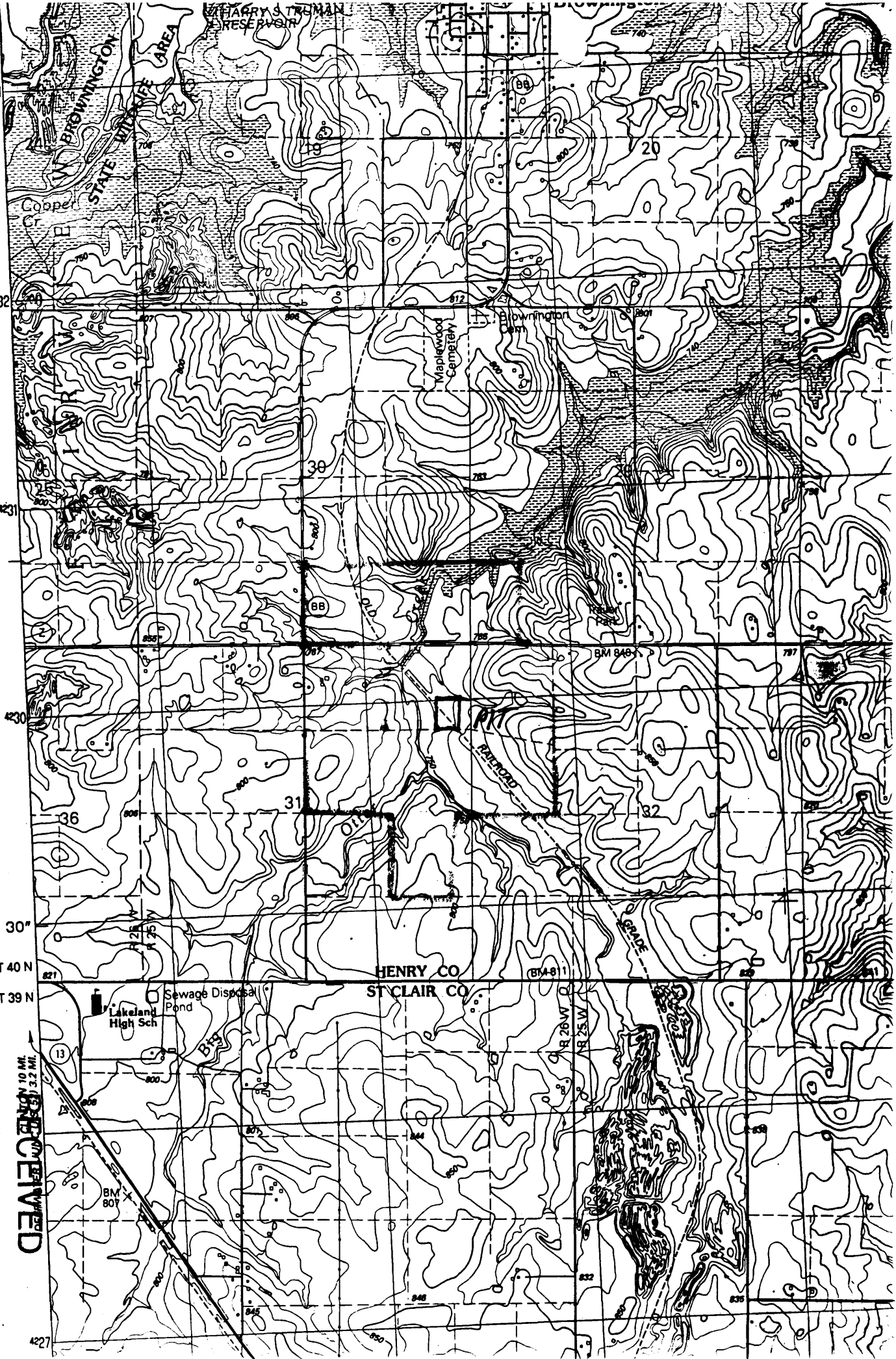
FEB 07 2001

MISSOURI LAND

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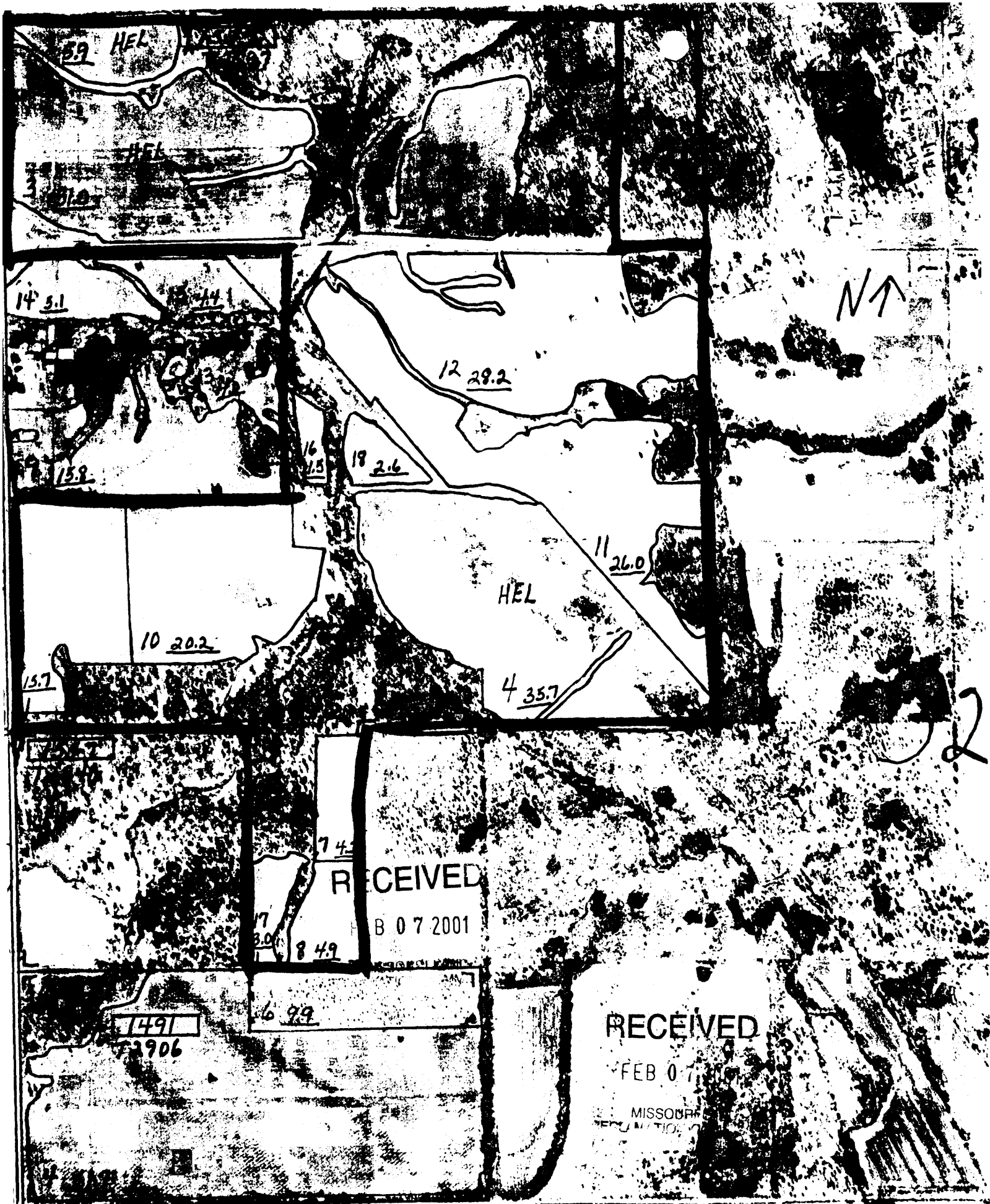
Higgins - Meeker Quarries  
 Deepwater Pt #1  
 Letter of Cedit #  
 1041619900

Met Meeker  
 2-5-01



MISSOURI LAND  
 RECLAMATION COMMISSION

FEB 07 2001



Higgins-Meeker Quarries  
Deerwater Pit #1

SECTION: 32

MAP: 112

Henry Co.  
Letter of Credit # 1041658900

HENRY

NOT TO SCALE

Mat Meeker  
2-5-01



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**PERMIT TRANSFER**

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P.O. BOX 176  
JEFFERSON CITY, MO 65102

**PERMIT TRANSFER** (FOR TRANSFERRING PERMITTED ACRES FROM ONE OPERATION TO ANOTHER, WITH NO CHANGES IN MINE PLAN OR ACREAGE)

NAME OF CURRENT PERMIT HOLDER <i>Inland Rivers Aggregate Company</i>		PERMIT NUMBER <i>676</i>
SITE(S) <i>IRA #6</i>		
ADDRESS <i>420 N 6th</i>		
CITY <i>Hannibal</i>	STATE <i>MO</i>	ZIP CODE <i>63401</i>
CONTACT PERSON <i>Corey Dittmer</i>		PHONE NUMBER <i>573 221-2110</i>

**TO BE COMPLETED BY THE CURRENT PERMIT HOLDER**

List all reclamation bonds which are held on this permit

BONDING COMPANY	BOND NUMBER	BOND DATE	AMOUNT
<i>USF #6</i>	<i>12-01-30 11005-99-2</i>	<i>2-26-99 2-26-01 5-26-01</i>	<i>48,500</i>

**TO BE COMPLETED BY PROPOSED SUCCESSOR**

NAME OF PROPOSED SUCCESSOR <i>Higgins-Meeker Quarries L.L.C.</i>		
ADDRESS <i>487 SW 700 RD</i>		
CITY <i>Deepwater</i>	STATE <i>MO</i>	ZIP CODE <i>64740</i>
CONTACT PERSON <i>Mat Meeker</i>		TELEPHONE NUMBER <i>660-696-2226</i>

List any other Land Reclamation Commission Permits currently or previously held by successor or companies owned or partially controlled by successor.

NAME OF COMPANY	PERMIT NUMBER	MINERAL
<i>Higgins-Meeker Quarries L.L.C.</i>	<i>871</i>	<i>limestone</i>

**NOTE:** The successor company must provide proof of bond replacement and an affidavit of publication for the required public notice.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

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MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <i>Deepwater Pit #2</i>		PERMIT NUMBER <i>0871</i>
COMPANY NAME <i>Higgins-Meeker Quarries L.L.C.</i>		
COUNTY <i>Henry</i>	1/4 SECTION <i>SW 1/4 of 26 NE 1/4 - SE 1/4 and SE 1/4 - SE 1/4 of 27</i>	SECTION <i>26, 27</i>
TOWNSHIP <i>Fairview 40N</i>	RANGE <i>26W</i>	ACRES <i>230</i>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY <i>Limestone</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>Robert Higgins</i>		
ADDRESS <i>1010 SE 141 RD</i>		
CITY <i>Deepwater</i>	STATE <i>MO</i>	ZIP CODE <i>64740</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <i>3-12-01</i>
<input type="checkbox"/> LEASE <input checked="" type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE)		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
MINE PLAN

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P.O. BOX 176  
JEFFERSON CITY, MO 65102

MISSOURI LAND  
RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 4-3-51

COMPANY NAME Higgins-Meeker Quarries L.L.C.

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This plan covers 230 Acres mostly in grass with some red clover. The Creek bottom is partly wooded. The soil is mostly Deepwater Class B Silt loam, Hartwell Class B Silt loam, and bare B2. The land is slightly rolling with a ridge running east to west approximately 1/2 mile north of the creek bottom that runs west to east on the south edge of the property.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12" INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozers and Scrapers will be used to remove and stockpile topsoil.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Dozers and Scrapers will place topsoil and grade slopes. Topsoil stockpiles will be seeded to control erosion.

APR 12 2001

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND  
RECLAMATION COMMISSION

Spoil will be removed and placed with  
dozers and scrapers.

**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

None

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The Pit is in the center of the SE  $\frac{1}{2}$  of the  
E  $\frac{1}{2}$  in Section 26 and will advance west

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1- $\frac{1}{2}$ ) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

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## RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

## A. REVEGETATION (Attach additional sheets, if needed)

MISSOURI LAND

RECLAMATION COMMISSION

REVEGETATION MIX #1

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

Pasture

As needed

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

After the topsoil replacement, the seed mix will be broadcast and harrowed and mulched with two tons per Acre

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Wheat	35-50		
Fescue	24		
Red Clover	3-6		
Lime	1500 lbs EVM		
N	60 lbs / Ac		
P	90 " "		
K	90 " "		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

Wildlife

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Seed bed Prepared  
Grass seed Drilled in

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Ladino Clover	1		
Big Bluestem	3		
Indian Grass	3		
Switch Grass	2		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

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MISSOURI LAND  
RECLAMATION COMMISSION

**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

Spoil acres will be graded to slopes  
traversable to farm machinery.

**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**

GRADING

Grading will be done as the pit advances and as  
overburden is placed. Final grading will be completed within  
one year of permit expiration.

REPLACEMENT OF TOPSOIL

Topsoil will be replaced to a uniform depth of 12" inches,  
and disced to reduce compaction. Topsoil will be replaced  
within one year of permit expiration.

REVEGETATION

Topsoil will be seeded during the first optimum period.  
following topsoil replacement and within 24 months After  
expiration or renewal of the permit under which surface mining  
disturbance occurred.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

**D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

40

Agricultural (pasture, cropland, and horticultural)

70

Development (residential, industrial, and recreational)

70

Water impoundments (for wildlife, agricultural, or development)

50

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.


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APR 12 2001

MISSOURI LAND  
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT <i>Mark Meeker</i>		TITLE <i>Member</i>	DATE <i>4-3-01</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Henry</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>10<sup>th</sup></i> DAY OF <i>April</i> <i>19 2001</i>		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE <i>Ann Felthoelter</i>	MY COMMISSION EXPIRES <i>1-24-04</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Ann Felthoelter</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Steve Zimmerman</i>		DATE APPROVED <i>4-23-01</i>	PERMIT NUMBER <i>0891</i>

ANN FELTHOELTER  
Henry County  
My Commission Expires  
January 24, 2004



Higgins-Martin Quaries LLC

Higgins Co.  
Deputy AT 42



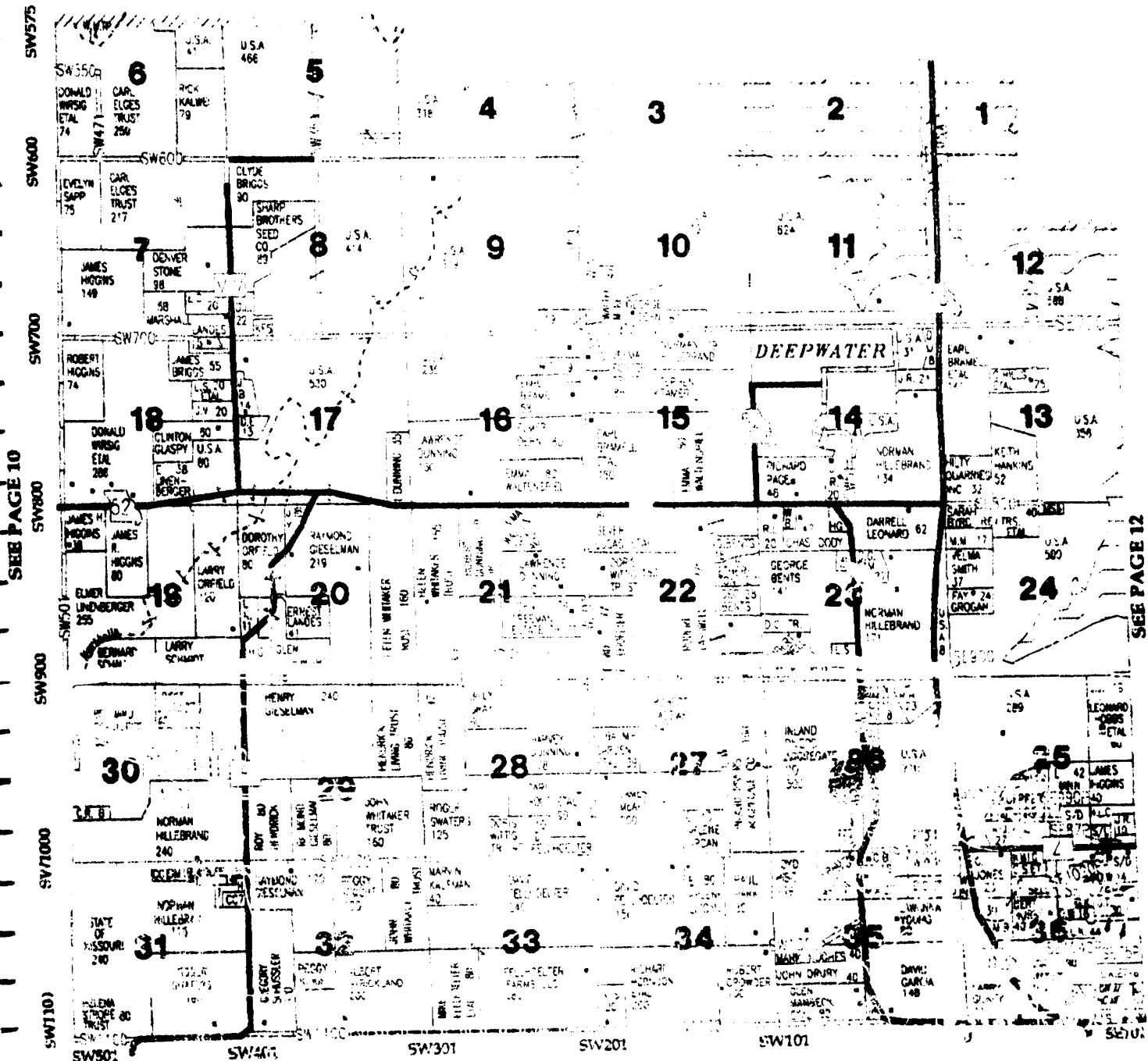
**Devine deffen Yeager, Inc.**  
Contact: J. David Whitehead, PE, RLS  
Clinton: 660 885 8311  
Blue Springs: 816 223 9773  
Kansas City: 816 561 2761

**Architects • Engineers • Planners • Surveyors**

**TOWNSHIP 40N • RANGE 26W**

**FAIRVIEW**

SEE PAGE 18



ST. CLAIR COUNTY

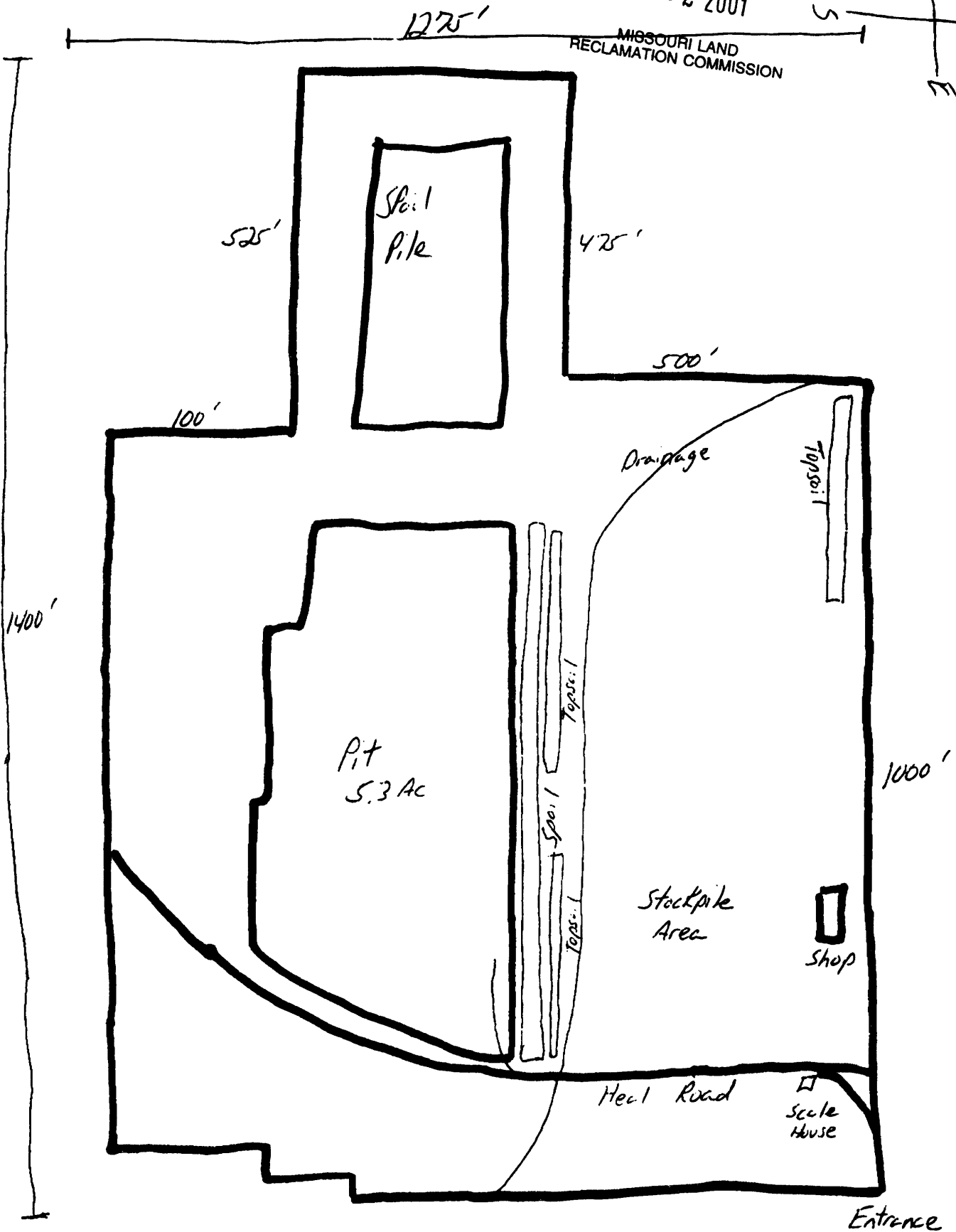
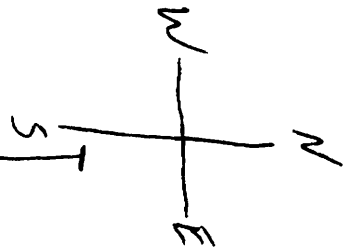
3 to Be Printed



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MISSOURI LAND  
RECLAMATION COMMISSION



Bonded Area 35 Ac  
Higgins-Meeker Quarries L.L.C.  
Deepwater #2 Site  
Henry County, Missouri

Not Marked